values, wherein each of the second plurality of Vcom values corresponds to a row of regions formed by a portion of the plurality of regions.

4. The system of claim **3**, wherein the processing circuitry is configured to determine the plurality of line-specific Vcom values based at least in part on the second plurality of Vcom values.

5. The system of claim **2**, comprising:

a probe configured to collect optical data regarding the plurality of regions; and

a flicker meter configured to receive the optical data from the probe and determine a flicker curve for each of the plurality of regions.

6. The system of claim **5**, wherein the processing circuitry is configured to determine a Vcom value of the plurality of Vcom values for each the region of the plurality of regions based at least in part on a corresponding flicker curve of the plurality of flicker curves.

7. The system of claim **5**, wherein a size of each region of the plurality of regions corresponds to an aperture setting of the probe.

8. A method, comprising:

determining a plurality of area-specific common voltage (Vcom) values for a plurality of common electrodes of an electronic display, wherein each of the plurality of area-specific Vcom values is associated with one or more lines of pixels of a plurality of pixels of the electronic display; and

providing the plurality of area-specific Vcom values to the one or more lines of pixels of the plurality of pixels.

9. The method of claim **8**, comprising:

determining a plurality of Vcom values, wherein each of the plurality of Vcom values is associated with a region of a plurality of regions of the electronic display; and

determining the plurality of area-specific Vcom values based at least in part on the plurality of Vcom values.

10. The method of claim **9**, comprising:

determining a plurality of flicker curves, wherein each of the plurality of flicker curves corresponds to a region of the plurality of regions of the electronic display; and

determining the plurality of Vcom values based at least in part on the plurality of flicker curves.

11. The method of claim **10**, comprising determining the plurality of flicker curves by performing a voltage sweep on the electronic display.

12. The method of claim **9**, comprising:

determining a second plurality of Vcom values, wherein each of the second plurality of Vcom values corresponds to a row of regions formed by a portion of the plurality of regions; and

determining a plurality of line-specific Vcom values based at least in part on the second plurality of Vcom values.

13. The method of claim **9**, wherein the plurality of regions comprises three rows.

14. The method of claim **9**, comprising:

measuring a flicker level at each of the plurality of regions after providing the plurality of area-specific Vcom values to the one or more lines of pixels; and

determining whether each flicker level is less than a flicker perceptibility threshold.

15. The method of claim **8**, wherein each of the plurality of area-specific Vcom values is associated with two or more lines of the plurality of pixels.

16. An electronic device comprising:

an electronic display comprising a plurality of lines of pixels and a plurality of common electrodes; and

an integrated circuit configured to:

determine a common voltage (Vcom) for each of the plurality of lines of pixels; and

cause the determined Vcom to be provided to a corresponding line of the plurality of lines of pixels.

17. The electronic device of claim **16**, wherein the electronic display comprises a plurality of regions, wherein the integrated circuit is configured to determine the Vcom for each of the plurality of lines of pixels based at least in part on a plurality of optimal Vcom values associated with the plurality of regions.

18. The electronic device of claim **17**, wherein the electronic display comprises a plurality of rows of regions of the plurality of regions, wherein the integrated circuit is configured to determine the Vcom for each of the plurality of lines of pixels based at least in part on a plurality of Vcom values associated with the plurality of rows of regions.

19. The electronic device of claim **17**, wherein the plurality of regions comprises at least nine regions.

20. The electronic device of claim **16**, wherein the electronic device comprises a computer, a mobile phone, a tablet, or a portable media device configured to use the electronic display to convey information to a person with reduced image artifacts.

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